

Follows Conditional Case No.: 13-04-2121R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Huntsville Madison County Alabama	FILL	NEW TOPOGRAPHIC DATA FLOODWAY HYDRAULIC ANALYSIS
	COMMUNITY NO.: 010153		
IDENTIFIER	Twickenham Square Development	APPROXIMATE LATITUDE & LONGITUDE: 34.723, -86.584 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 01089C0327E DATE: October 2, 2014		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 2, 2014 PROFILE(S): 133P FLOODWAY DATA TABLE: 6	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Fagan Creek - from approximately 540 feet downstream of Gallatin Street to approximately 110 feet upstream of Gallatin Street.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Fagan Creek	Zone AE	Zone AE	NONE	YES
	BFEs*	BFEs	YES	YES
	Floodway	Floodway	NONE	YES

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

14-04-3285P

102-I-A-C



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

COMMUNITY REMINDERS

We based this determination on the base (1-percent-annual-chance) flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This revision has met our criteria for removing an area from the base floodplain to reflect the placement of fill. However, we encourage you to require that the lowest adjacent grade and lowest floor (including basement) of any structure placed within the subject area be elevated to or above the Base Flood Elevation.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Robert E. Lowe
Acting Director, Mitigation Division
Federal Emergency Management Agency, Region IV
Koger Center - Rutgers Building, 3003 Chamblee Tucker Road
Atlanta, GA 30341
(770) 220-5400

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *The Huntsville Times*
Dates: May 7, 2014 and May 14, 2014

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination information presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
FAGAN CREEK								
A	1,215	76	567	13.1	609.7 ²	607.3	607.3	0.0
B	2,173	67	477	14.3	609.9	609.9	610.0	0.1
C	2,500	77	618	11.0	612.3	612.3	612.3	0.0
D	2,949	264	1,130	9.1	615.8	615.8	616.8	1.0
E	3,478	153	864	9.7	619.3	619.3	620.0	0.7
F	3,870	204	766	11.5	620.4	620.4	621.2	0.9
G	4,398	136	612	14.6	621.6	621.6	621.6	0.0
H	4,799	430	1,056	12.8	624.5	624.5	624.5	0.0
I	5,304	354	865	13.4	625.9	625.9	625.8	0.0
J	5,741	255	844	13.4	627.5	627.5	627.4	0.0
K	6,068	149	628	13.6	628.4	628.4	629.1	0.7
L	6,914	242	675	14.4	633.5	633.5	633.5	0.0
M	7,851	59	415	15.2	637.5	637.5	637.5	0.0
N	8,235	60	509	12.4	640.6	640.6	641.1	0.5
O	9,188	119	475	14.1	643.9	643.9	643.8	0.0
P	9,837	110	433	14.8	647.5	647.5	647.5	0.0
Q	10,496	120	502	9.4	652.4	652.4	652.3	0.0
R	11,025	70	271	13.4	653.7	653.7	653.7	0.0
S	11,657	85	410	11.0	659.8	659.8	660.1	0.3
T	12,130	100	345	11.1	661.0	661.0	661.1	0.2
U	12,934	100	274	12.1	667.4	667.4	667.4	0.0
V	13,230	117	481	8.6	670.5	670.5	671.4	0.9
W	13,981	85	329	12.7	679.5	679.5	679.4	0.0
X	15,212	48	215	12.3	695.3	695.3	695.4	0.1
Y	15,942	58	251	12.9	708.4	708.4	708.9	0.5
Z	16,505	75	291	12.4	717.2	717.2	717.3	0.1

¹ Feet above confluence with Huntsville Spring Branch

² Elevations considering backwater effect from Huntsville Spring Branch

REVISED DATA

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

MADISON COUNTY, AL
AND INCORPORATED AREAS




FLOODWAY DATA

REVISED TO
REFLECT LOMR
EFFECTIVE: October 3, 2014

FAGAN CREEK

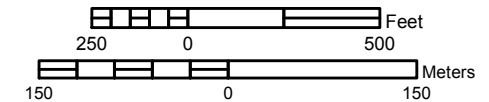


Legend

-  1% annual chance (100-Year) Floodplain
-  1% annual chance (100-Year) Floodway
-  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0327E

FIRM FLOOD INSURANCE RATE MAP MADISON COUNTY, ALABAMA AND INCORPORATED AREAS

PANEL 327 OF 575

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HUNTSVILLE, CITY OF	010153	0327	E
MADISON COUNTY	010151	0327	E

**REVISED TO
REFLECT LOMR
EFFECTIVE: October 3, 2014**

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED **MAP NUMBER**
OCTOBER 2, 2014 **01089C0327E**



State of Alabama
Federal Emergency Management Agency